

Abstract

A piezoelectric actuator is proposed, for example for actuating a mechanical component, and has a multilayered structure of piezoelectric layers with inner electrodes (2, 3) interspersed between them and a contacting of the inner electrodes (2, 3) on alternating sides by means of outer electrodes (4) that can supply an electrical voltage. The respective outer electrode (4) is attached in a net-like, mesh-like, or screen-like fashion and contacts the respective inner electrodes (2, 3) at least at points. The contacting of the inner electrodes (2, 3) is provided in the corner region of the piezoelectric actuator (1), wherein the net-like, mesh-like, or screen-like outer electrode (4) is guided around the respective corner in a predetermined region, contacts the respective inner electrodes (2, 3) at least in parts, extends in the direction of the multilayered structure of piezoelectric layers (5), and is provided with a terminal (6) there.

(Fig. 1)